**Unit 7 Map (Photosynthesis)**

Ms. Ottolini, AP Biology

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| **Topic** | **Learning Target** | **DBA Score** (%) | **Test Score** (%) |
| 1. The Light Reactions | A. I can explain how light energy is captured in the chloroplast and sent to the Calvin Cycle. |  |  |
| B. I can identify the parts of the chloroplast and molecules involved in the Light Reactions. |
| 2. The Calvin Cycle  And Exceptions to Normal Photosynthesis | C. I can explain how energy from the Light Reactions is used in the Calvin Cycle to make glucose. |  |  |
| D. I can identify the parts of the chloroplast and molecules involved in the Calvin Cycle. |
| E. I can discuss the purpose of C4 and CAM photosynthesis. |
| F. I can compare and contrast C4 and CAM photosynthesis with normal (C3) photosynthesis. |
| 3. Comparing Photosynthesis with Cellular Respiration | G. I can compare and contrast the overall chemical equations for photosynthesis and cellular respiration and describe how these processes work together as a cycle. |  |  |
| H. I can identify the types of organisms that use photosynthesis, cellular respiration, or both. |
| I. I can compare and contrast the purpose and process of the electron transport chain in chloroplasts and mitochondria. |